

ABSTRACT

A thrust dynamic pressure bearing with high inclination-resistant rigidity against axis runout and additionally low bearing loss torque is implemented. Herringbone grooves (131) having intermediate bends (132) are provided on rotating-side bearing surface (11) provided on the rotating-side bearing member. When rotating-side bearing surface (11) rotates in direction A (clockwise), lubricating oil generates dynamic pressure in an area centering on intermediate bend (132) along radially outer part (133) and radially inner part (134) of herringbone groove (131). As a result that groove width (G) of a dynamic pressure generating groove and width (L) of a land adjacent to the dynamic pressure generating groove holds $G > L$ at an arbitrary radius (2) position, a thrust dynamic pressure bearing with high inclination-resistant rigidity and additionally low bearing loss torque is provided.